Order Establishing Provincial Non-Spatial Old Growth Objectives

Preamble[1]

The intent of this Order Establishing Provincial Non-Spatial Old Growth Objectives is to clarify the amount of area available for timber harvesting by confirming the area of old forest that will be conserved to address biodiversity values across the province.

In ensuring that their plans are consistent with the objectives of this Order licensees should consider the Implementation Policy developed by the Ministry of Sustainable Resource Management to support the Order.

Order

I. Pursuant to section 4(1) of the *Forest Practices Code of British Columbia Act* (Act), those landscape units presented on the maps in Appendix 1, which have not yet been established pursuant to a previous order, are now established as landscape units.

II. Pursuant to section 4(2) of the Act, part A of this Order establishes landscape unit objectives for the landscape units established under Section I above.

III. This Order does not apply to land contained within a woodlot licence that was entered into prior to this Order coming into force.

A. Biodiversity emphasis and old growth objectives

1. Biodiversity emphasis for landscape units

For the purpose of implementing objective 2 below, biodiversity emphasis is assigned as outlined on the maps included in Appendix 1.

2. Old growth objectives

To contribute to the conservation of biodiversity, licensees[2] must maintain old forest by biogeoclimatic variant[3] within each landscape unit according to the age of old forest and the percentage of old forest retention that is specified in Tables 1 through 4 and the assignment of Natural Disturbance Types outlined in Appendix 3, and subject to provisions 5 through 8 below.

---

[1] The preamble is intended for context, and does not form part of the order.

[2] In this Order, "licensee" refers to a party required to prepare a forest development plan under the *Forest Practices Code of British Columbia Act* or a forest stewardship plan under the *Forest and Range Practices Act*.

[3] As approved by the Minister of Sustainable Resource Management or designate, see the attached Implementation Policy.

Table 1. Natural Disturbance Type One

Biogeoclimatic Zone	Age of Old Forest	Percent Old Forest Retention in Low Biodiversity Emphasis	Percent Old Forest Retention in Intermediate Biodiversity Emphasis	Percent Old Forest Retention in High Biodiversity Emphasis
CWH[a]	>250yrs	>13	>13	>19
ICH	>250yrs	>13	>13	>19
ESSF	>250yrs	>19	>19	>28
MH	>250yrs	>19	>19	>28

a Some portions of the CWH have a much more frequent disturbance history due to extensive windthrow. Those portions of the CWHvm1, CHWvm2, CWHvh1, and CWHvh2 where wind event occur, should be considered to fall under ND13

Table 2. Natural Disturbance Type Two

Biogeoclimatic Zone	Age of Old Forest	Percent Old Forest Retention in Low Biodiversity Emphasis	Percent Old Forest Retention in Intermediate Biodiversity Emphasis	Percent Old Forest Retention in High Biodiversity Emphasis
CWH	>250yrs	>9	>9	>13
CDF	>250yrs	>9	>9	>13
ICH	>250yrs	>9	>9	>13
SBS	>250yrs	>9	>9	>13
ESSF	>250yrs	>9	>9	>13
SWB	>250yrs	>9	>9	>13

Table 3. Natural Disturbance Type Three

Biogeoclimatic Zone	Age of Old Forest	Percent Old Forest Retention in Low Biodiversity Emphasis	Percent Old Forest Retention in Intermediate Biodiversity Emphasis	Percent Old Forest Retention in High Biodiversity Emphasis
BWBS[b]	>100yrs	>13	>13	>19
SBPS	>140yrs	>7	>7	>10
BWBS[c]	>140yrs	>11	>11	>16
SBS	>140yrs	>11	>11	>16
MS	>140yrs	>14	>14	>21
ESSF	>140yrs	>14	>14	>21
ICH	>140yrs	>14	>14	>21
CWH[d]	>140yrs	>11	>11	>16

b BWBS with deciduous prominent

c BWBS with coniferous prominent

d CWH subject to regular extensive wind throw disturbance. See notes under NDT 1 table for a listing of variants.

Table 4. Natural Disturbance Type Four

Biogeoclimatic Zone	Age of Old Forest	Percent Old Forest Retention in Low Biodiversity Emphasis	Percent Old Forest Retention in Intermediate Biodiversity Emphasis	Percent Old Forest Retention in High Biodiversity Emphasis
ICH	>250 yrs	>13	>13	>19
IDF	>250 yrs	>13	>13	>19
PP	>250 yrs	>13	>13	>19

3. Old growth objectives for the Okanagan area

To contribute to the conservation of biodiversity in the Okanagan area shown on map 7 in Appendix 1, licensees must maintain old forest by biogeoclimatic variant within each landscape unit to the amounts specified in Appendix 2, Table 1 (Okanagan Old Forest Retention Table), subject to provisions 7 and 8 below.

4. Old growth objectives for the Merritt area

To contribute to the conservation of biodiversity in the Merritt area shown on map 8 in Appendix 1, licensees must maintain old forest by biogeoclimatic variant within each landscape unit to the amount specified in Appendix 2, Table 2 (Merritt Old Forest Retention Table), subject to provisions 7 and 8 below.

5. **Potential reduction in old forest retention in low biodiversity emphasis areas**

   For landscape units with a low biodiversity emphasis, the old forest retention percent listed in Tables 1-4 may be reduced by up to 2/3, to the extent necessary to address impacts on timber supply.[4]

6. **Use of younger forests to meet old forest objectives**

   In intermediate and high emphasis landscape units where there is insufficient old forest in a variant to meet objective 2, or where increased biodiversity conservation benefits would result, objective 2 is modified as required to permit forest less than the age of old, and preferably mature forest, to contribute up to 20% of the old forest percentage as defined in the Tables 1-4.[5]

7. **Areas impacted by epidemic or catastrophic events**

   To address a deficit in the amount of old forest in a variant resulting from impacts caused by epidemic or catastrophic natural events, the requirement of objectives 2, 3, and 4 may be modified in accordance with a recruitment strategy.[6]

8. **Draft old growth management areas**

   Where the Minister of Sustainable Resource Management or designate has identified draft old growth management areas that are in accordance with Objectives 2, 3, or 4 of this Order, the Minister or designate may specify that these draft old growth management areas meet the requirements of this Order.

B. Effective date and future orders

This Order comes into effect immediately.

For the purposes of the *Forest Practices Code of British Columbia Act*, all new forest development plans and all major amendments to forest development plans submitted following a date 4 months after the effective date of this Order must be consistent with the Order.

This Order does not affect any Category A cutblocks approved pursuant to the *Forest Practices Code of British Columbia Act* on or before the effective date.

For the purposes of the *Forest and Range Practices Act*, and despite subsection 16(2) of that Act, all forest stewardship plans submitted after the effective date must be consistent with this Order[7].

When a new order of the Minister or designate establishes old forest objectives, this Order will, on the effective date of the new order, cease to have effect for the area or areas specified in the new order.

---

[4] See Implementation Policy for further guidance on reductions in percent retention in low biodiversity emphasis areas.

[5] See the Implementation Policy for further technical information regarding the use of younger stands.

[6] See the Implementation Policy for guidance on recruitment.

[7] This provision will be reviewed prior to the final Order to ensure it is coordinated as needed with the date upon which the *Forest and Range Practices Act* comes into force.

Where a new order establishes old forest objectives for a portion of a landscape unit that is established under this Order, this Order remains in effect for the portion of the landscape unit for which the new order does not establish old forest objectives.

C. Continuous effect of previously established old growth objectives

Old forest objectives established in higher-level plans prior to the effective date of this Order, under either section 3 or section 4 of the *Forest Practices Code of British Columbia Act*, continue and are not affected by this Order.

D. Review of the Order

The minister recognizes that new information will emerge regarding the role of old forest in the maintenance of biodiversity, the efficacy of the objectives in this Order in that regard, and the economic and social implications of old forest and biodiversity conservation. The minister therefore intends to formally review this Order no later than March 31, 2007 to assess its effectiveness in achieving government's sustainable resource management goals.

PROPOSAL ONLY

FINAL ORDER TO BE SIGNED BY

_____

The Honourable Stan Hagen
Minister of Sustainable Resource Management

Appendix 1 – Maps
(see Map Gallery)

Map 1 Overview

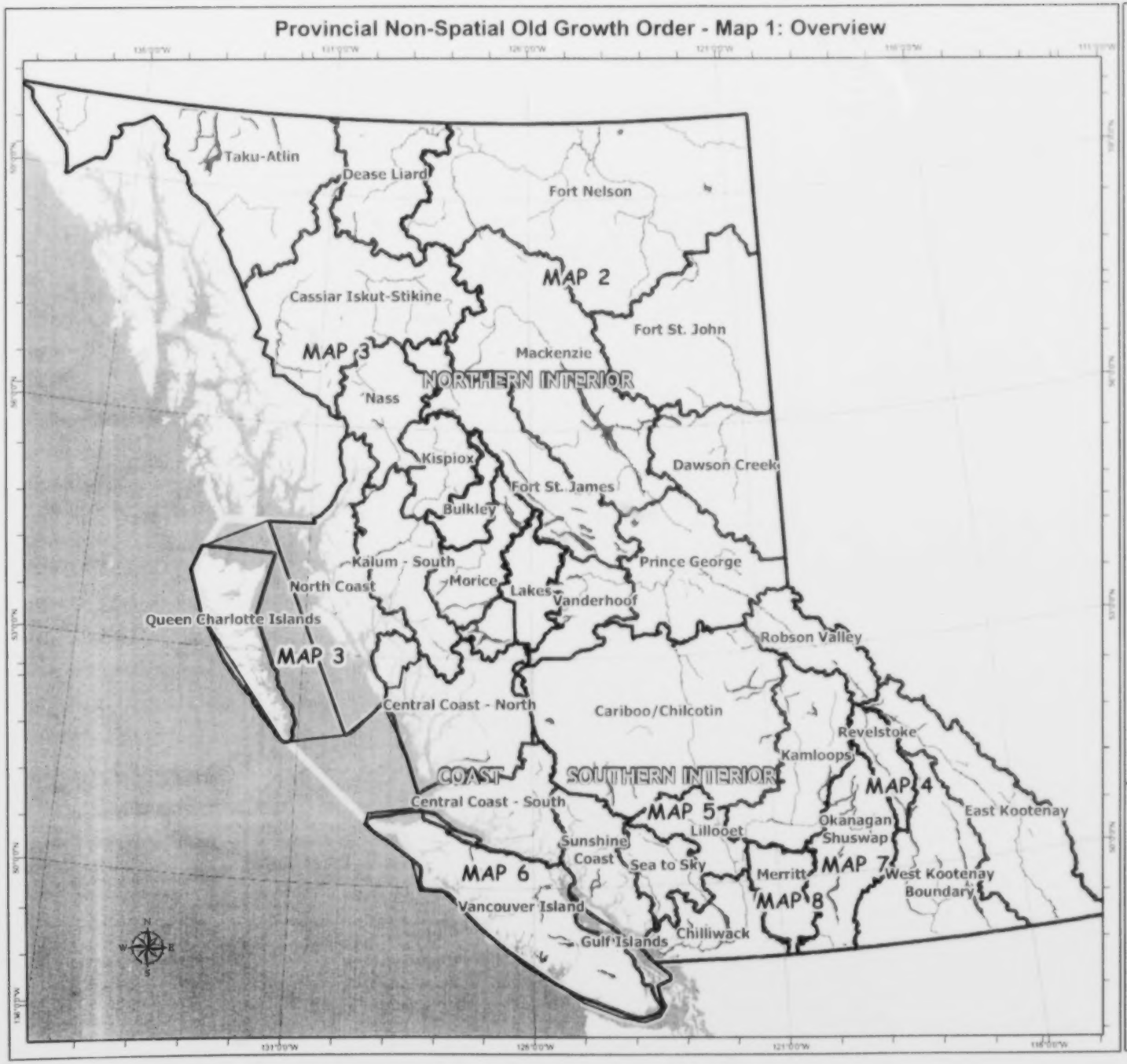
Maps establishing biodiversity emphasis for various landscape units in the Province of British Columbia:

Map 2 Omineca-Peace Region
Map 3 Skeena Region
Map 4 Revelstoke Timber Supply Area
Map 5 Lillooet Timber Supply Area
Map 6 Coast Region

Maps establishing old growth retention objectives for biogeoclimatic ecosystem variants:

Map 7 Okanagan Timber Supply Area
Map 8 Merritt Timber Supply Area

Provincial Non-Spatial Old Growth Order - Map 1: Overview



Ministry of Sustainable Resource Management

DRAFT

LRMP Boundary

MEM Region Boundary

Old Growth Objective Status

Old growth objectives already in place under Section 3 of the *Forest Practices Code of British Columbia Act*

Areas which are generally subject to the Order

Note:
This map is for information only and does not constitute part of the Order.

Data Sources

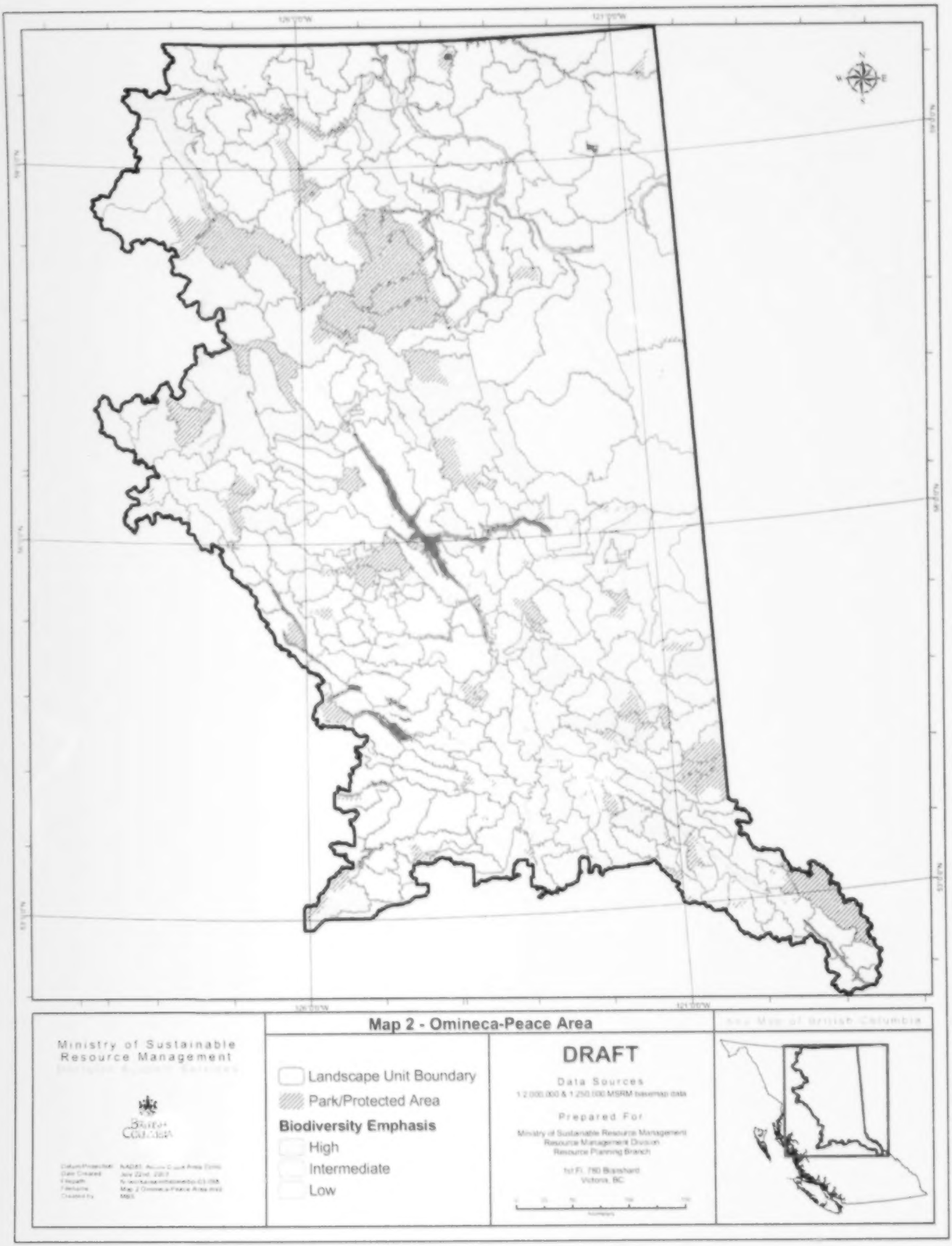
1:2,000,000 & 1:250,000 MSRM basemap data

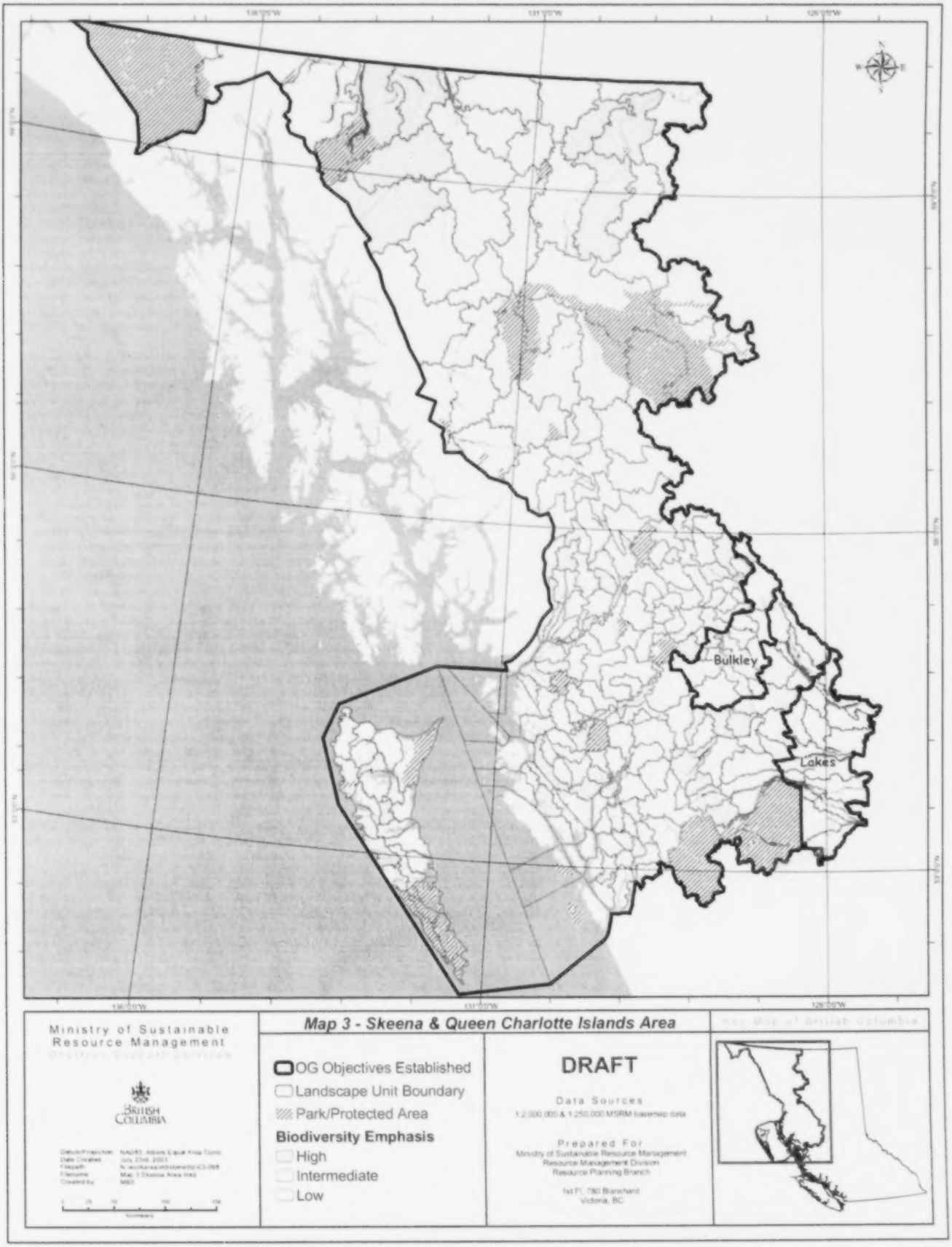
Prepared For

Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch

1st Fl. 780 Blanshard
Victoria, BC

Datum/Projection:	NAD83 Albers Equal Area Conic
Date Created:	July 21st, 2003
Filepath:	N:\arcfiles\mdsnewlrp-03-06\
Filename:	Overview map.mxd
Created by:	MBS


Map 2 - Omineca-Peace Area
Ministry of Sustainable Resource Management
Landscape Unit Boundary
Park/Protected Area
Biodiversity Emphasis
High
Intermediate
Low
DRAFT
Data Sources
1:2,000,000 & 1:250,000 MSRM basemap data
Prepared For
Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch
Area Map of British Columbia



Ministry of Sustainable Resource Management

BRITISH COLUMBIA

Map 3 - Skeena & Queen Charlotte Islands Area

OG Objectives Established

Landscape Unit Boundary

Park/Protected Area

Biodiversity Emphasis

High

Intermediate

Low

DRAFT

Data Sources

1:2,000,000 & 1:250,000 MSRM basemap data

Prepared For

Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch

1st Fl. 780 Blanshard
Victoria, BC

Map 4 - Revelstoke Timber Supply Area

Ministry of Sustainable Resource Management

BRITISH COLUMBIA

Landscape Unit Boundary

Park/Protected Area

Biodiversity Emphasis

High

Intermediate

Low

N/A

DRAFT

Data Sources

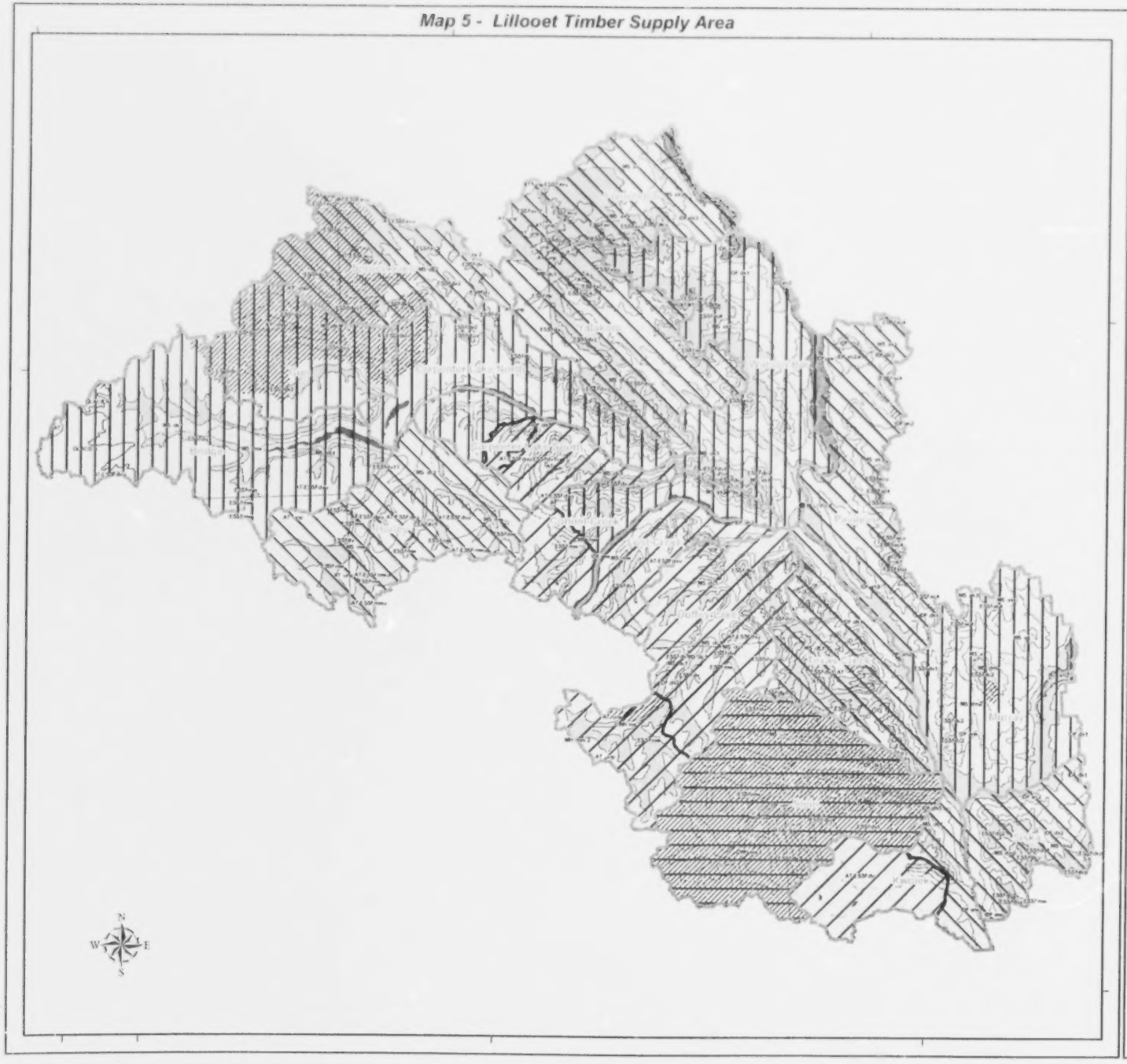
1:2,000,000 & 1:250,000 MSRM basemap data

Prepared For:

Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch

1st Fl, 780 Blanshard
Victoria, BC

Map 5 - Lillooet Timber Supply Area



Ministry of Sustainable Resource Management

BRITISH COLUMBIA

- Landscape Unit
- Park/Protected Area
- BEC Subzone/Variant

Biodiversity Emphasis
- High
- Intermediate
- Low
- N/A

Biogeoclimatic Zones
- Alpine Tundra
- Bunchgrass
- Coastal Western Hemlock
- Englemann Spruce - Subalpine Fir
- Glacier
- Interior Douglas Fir
- Mountain Hemlock
- Montane Spruce
- Ponderosa Pine

5 2.5 0 5 10 15 20 25
Kilometers

DRAFT

Data Sources

Base Information - MSRM Resource Data Warehouse
1:20,000 Biogeoclimatic Zones - MOF, Dec. 2002
(as approved by Regional Ecologist, MOF Kamloops)
Landscape Units - MSRM, Dec. 2002
Biodiversity Empasis - Lillooet LRMP, Jan. 2003
(represents information used as part of TERP analysis BEO agreement)

Prepared For

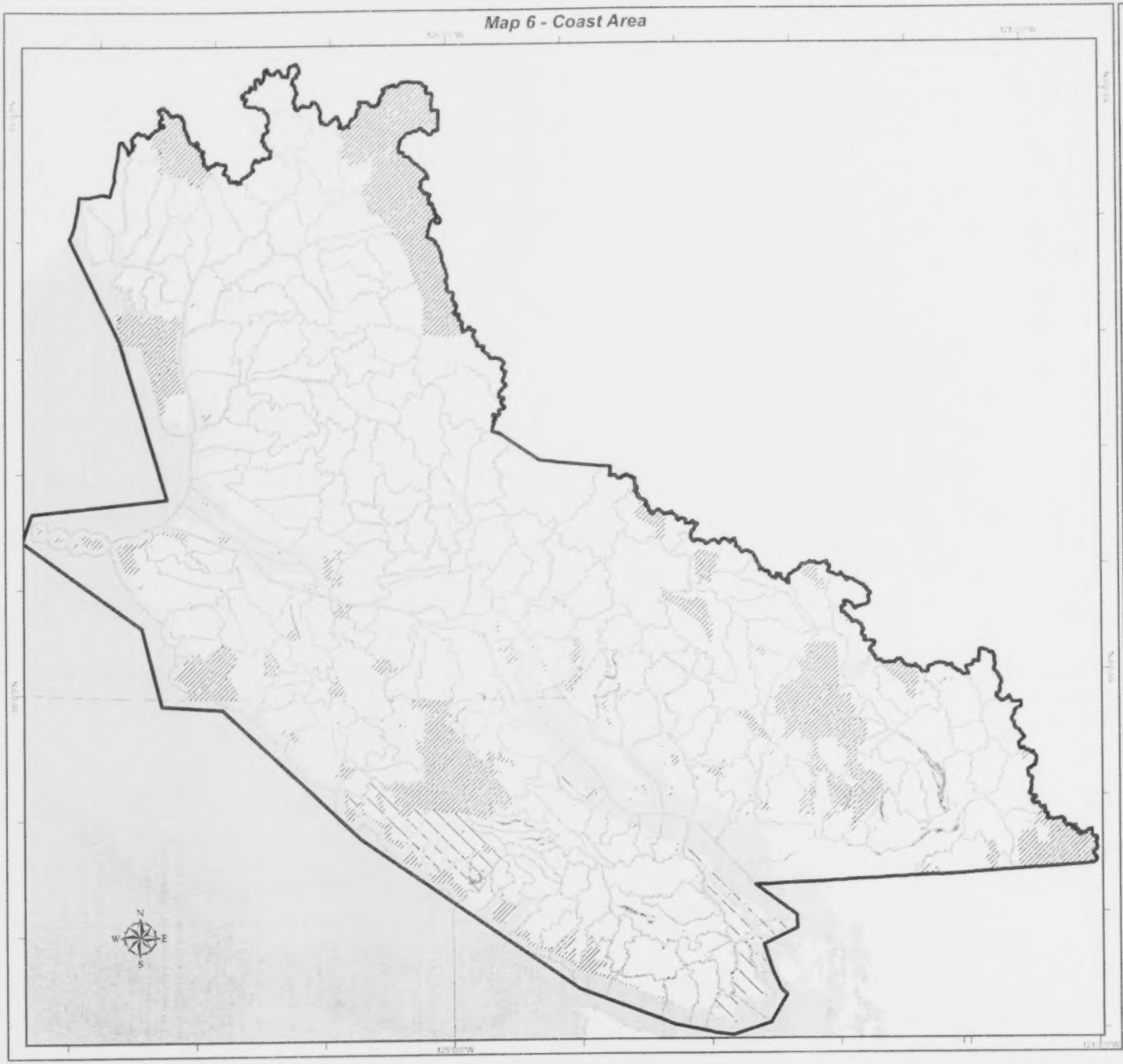
Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch

1st Fl, 780 Blanshard
Victoria, BC

Datum/Projection:	NAD83, Albers Equal Area Conic
Date Created:	July 28th 2003
Filepath:	N:\work\mail\mbstone\lrp-03-095
Filename:	Map 5 - Lillooet TSA (region update).mxd
Created by:	SIR Information Management Group and Decision Support Services, MSRM

Key Map of British Columbia

Map 6 - Coast Area



Ministry of Sustainable Resource Management

DRAFT

- Landscape Unit Boundary
- Park/Protected Area

Biodiversity Emphasis

- High
- Intermediate
- Low
- N/A - Unclassified

Data Sources

1:2,000,000 & 1:250,000 MSRM basemap data

Prepared For

Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch

1st Fl, 780 Blanshard
Victoria, BC

Datum/Projection:	NAD83, Albers Equal Area Conic
Date Created:	July 29th 2003
Filepath:	N:\data\arcmap\landscape\Maps\
Filename:	Map 6 - Coast Area.mxd
Created by:	MRS

Ministry of Sustainable Resource Management

Strategic Support Initiative

BRITISH COLUMBIA

Datum/Projection: NAD83, Albers Equal Area Conic
Date Created: July 30th 2003
Filepath: N:\workarea\mbstoehr\tp-03-094
Filename: Map 7 - Okanagan Shuswap LRMP.mxd
Created by: GIS Information Management Group, and Decision Support Services, MSRM

0 5 10 20 30 40 50
Kilometers

Map 7 - Okanagan Timber Supply Area

- Landscape Unit
- Park/Protected Area
- BEC Subzone/Variant

Biogeoclimatic Zone

- Alpine Tundra
- Bunchgrass
- Engelmann Spruce -- Subalpine Fir
- Interior Cedar -- Hemlock
- Interior Douglas-fir
- Montane Spruce
- Ponderosa Pine

DRAFT

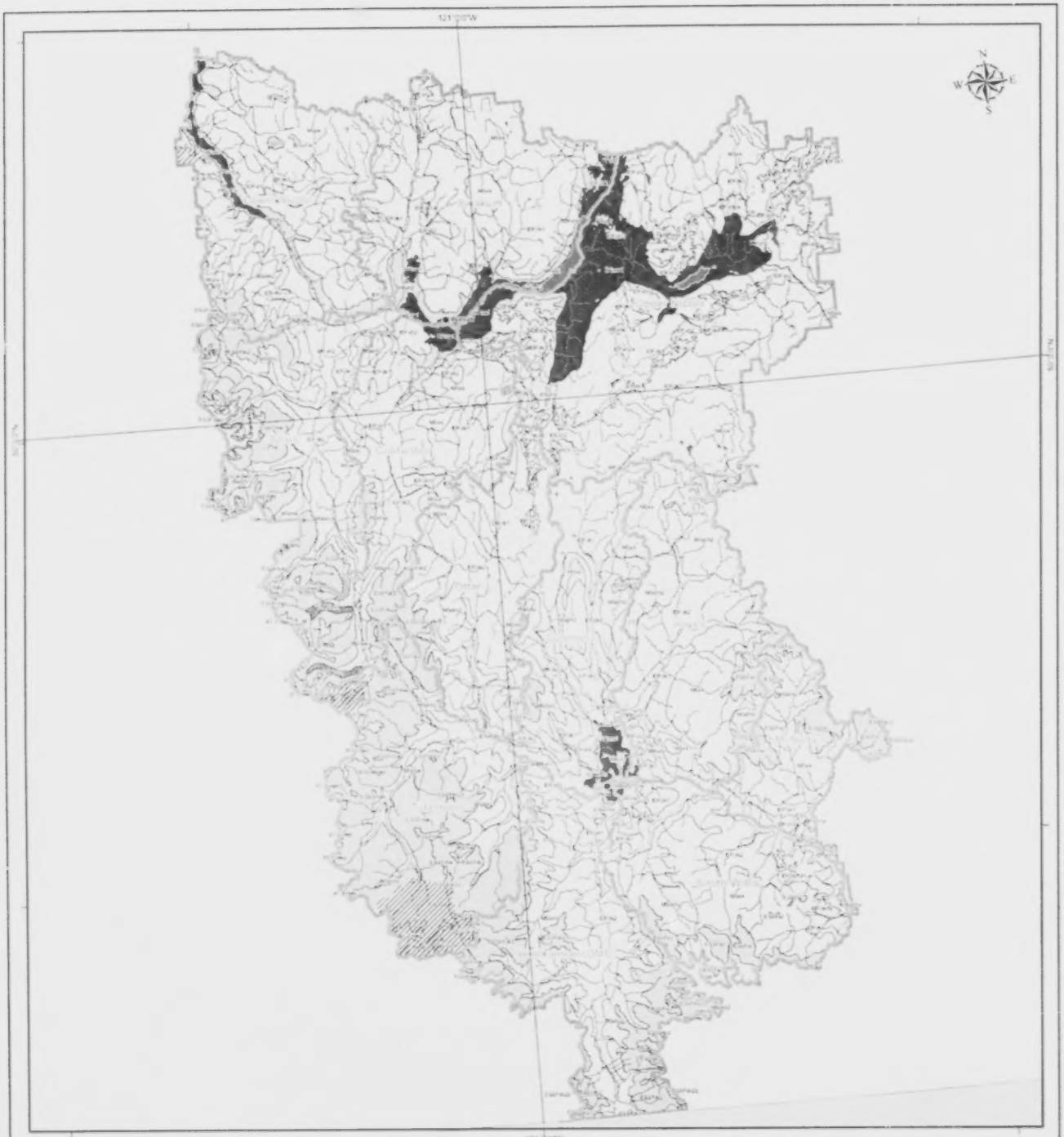
Data Sources

Base Information - MSRM Resource Data Warehouse
Biogeoclimatic Zones - MOF, Aug. 2001
(as approved by Regional Ecologist, MOF Kamloops)
Landscape Units - MSRM, Dec. 2002
(represents information that was the basis of LRMP agreement and approval)

Prepared For

Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch

1st Fl. 780 Blanshard
Victoria, BC



Ministry of Sustainable Resource Management

BRITISH COLUMBIA

Datum/Projection: NAD83, Albers Equal Area Conic
Date Created: Aug. 14, 2002
Filepath: N:\merritt\arcinfo\data\03-008
Filename: Map 8 - Merritt LRMP.mxd
Created by: Information Management Group and Decision Support Services, MSRM

0 5 10 20 30
Kilometers

Map 8 - Merritt Timber Supply Area

- Landscape Unit
- Park/Protected Area
- BEC Subzone/Variant

Biogeoclimatic Zone

- Alpine Tundra
- Bunchgrass
- Coastal Western Hemlock
- Engelmann Spruce - Subalpine Fir
- Interior Douglas Fir
- Mountain Hemlock
- Montane Spruce
- Ponderosa Pine

DRAFT

Note: Biodiversity Emphasis Option for Merritt TSA derived in accordance with District Manager letter dated Nov. 3, 1999, and subsequently approved by Chief Forester in letter dated Nov. 22, 1999

Data Sources

Base Information - MSRM Resource Data Warehouse
1:20,000 Biogeoclimatic Zones - MOF, Dec. 2002
(as approved by Regional Ecologist, MOF Kamloops)
Landscape Units - MSRM, Dec. 2002
(represents information used in, and derived from, the IFPA process)

Prepared For

Ministry of Sustainable Resource Management
Resource Management Division
Resource Planning Branch
1st Fl. 780 Blanshard, Victoria, BC

Key Map of British Columbia

Appendix 2

Table 1. Okanagan Old Forest Retention Table[8]

District[9]	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Penticton	Anarchist	BG xh1	-	-	-	-	
Penticton	Anarchist	ESSF dc1	-	-	-	0	
Penticton	Anarchist	ESSF xc	40	7	10	0	
Penticton	Anarchist	IDF dk1	-	240	-	132	
Penticton	Anarchist	IDF dm1	9	117	-	277	
Penticton	Anarchist	IDF xh1	25	643	48	593	
Penticton	Anarchist	MS dm1	-	-	2	20	
Penticton	Anarchist	MS xk	120	15	10	10	
Penticton	Anarchist	PP xh1	-	-	8	821	100
Penticton	Anarchist-TFL	BG xh1	-	-	-	-	
Penticton	Anarchist-TFL	ESSF dc1	114	-	220	32	
Penticton	Anarchist-TFL	IDF dm1	-	-	18	447	
Penticton	Anarchist-TFL	IDF xh1	72	56	16	142	
Penticton	Anarchist-TFL	MS dm1	71	-	264	461	
Penticton	Anarchist-TFL	PP xh1	-	-	-	92	
Penticton	Ashnola	BG xh1	-	-	-	-	
Penticton	Ashnola	ESSF dc2	-	-	60	-	
Penticton	Ashnola	ESSF xc	-	-	6,162	-	
Penticton	Ashnola	IDF dk1	-	-	371	1,837	
Penticton	Ashnola	IDF dk2	7	11	3	95	
Penticton	Ashnola	IDF xh1	0	-	15	607	
Penticton	Ashnola	MS dm2	-	-	766	-	
Penticton	Ashnola	MS xk	-	-	3,405	-	
Penticton	Ashnola	PP xh1	-	-	-	3	
Penticton	Keremeos	BG xh1	-	-	-	-	
Penticton	Keremeos	ESSF xc	2	-	1,018	229	166.7
Penticton	Keremeos	IDF dk1	-	-	4	1,020	
Penticton	Keremeos	IDF dk2	-	-	-	283	
Penticton	Keremeos	IDF xh1	21	630	4	390	
Penticton	Keremeos	MS dm2	-	-	278	-	166.7
Penticton	Keremeos	MS xk	9	-	736	450	166.7
Penticton	Keremeos	PP xh1	-	-	-	83	90
Penticton	Kettle	ESSF dc1	-	-	989	-	
Penticton	Kettle	ESSF xc	-	-	508	-	
Penticton	Kettle	ICH mk1	35	-	155	-	

[8] The age of old forest, and the column headings are further explained in the Okanagan Shuswap Land and Resource Management Plan 2000.

[9] Crown lands formerly encompassing the old Salmon Arm, Vernon and Penticton Forest Districts now managed as the new *Okanagan Shuswap Forest District.*

District	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Penticton	Kettle	IDF dm1	-	-	56	438	
Penticton	Kettle	MS dm1	319	-	604	646	200
Penticton	Kettle-TFL	ESSF dc1	-	-	-	0	
Penticton	Mission	BG xh1	-	-	-	-	
Penticton	Mission	ESSF dc1	966	-	1,556	375	
Penticton	Mission	ESSF xc	-	-	1,342	-	
Penticton	Mission	ICH mk1	439	-	492	1,510	250
Penticton	Mission	IDF dm1	-	-	-	347	
Penticton	Mission	IDF mw1	-	-	-	1,488	
Penticton	Mission	IDF xh1	-	-	-	426	150
Penticton	Mission	MS dm1	2,322	-	175	490	
Penticton	Mission	PP xh1	-	-	-	67	
Penticton	Pennask	ESSF dc2	336	-	24	-	
Penticton	Pennask	ESSF xc	1,013	-	254	411	
Penticton	Pennask	IDF dk1	-	12	-	0	
Penticton	Pennask	MS dm2	810	-	42	276	
Penticton	Pennask	MS xk	6	-	331	2,821	500
Penticton	Pennask-TFL	ESSF dc2	15	-	88	-	
Penticton	Pennask-TFL	ESSF xc	-	-	0	3	
Penticton	Pennask-TFL	MS dm2	-	-	43	-	
Penticton	Penticton	BG xh1	-	-	-	-	
Penticton	Penticton	ESSF dc1	720	-	133	1,057	
Penticton	Penticton	IDF dm1	-	-	2	1,722	
Penticton	Penticton	IDF xh1	-	-	-	792	800
Penticton	Penticton	MS dm1	1,109	-	291	1,555	
Penticton	Penticton	PP xh1	-	-	-	443	200
Penticton	Penticton-TFL	ESSF dc1	-	-	-	3	
Penticton	Penticton-TFL	IDF dm1	-	-	-	0	
Penticton	Penticton-TFL	IDF xh1	-	-	-	0	
Penticton	Penticton-TFL	MS dm1	-	-	-	6	
Penticton	Penticton-TFL	PP xh1	-	-	-	0	
Penticton	Trepanier	ESSF dc2	49	-	5	-	
Penticton	Trepanier	ESSF xc	33	-	10	59	
Penticton	Trepanier	IDF dk1	-	66	-	0	
Penticton	Trepanier	IDF dk2	-	702	-	1,870	
Penticton	Trepanier	IDF mw1	-	21	-	7	
Penticton	Trepanier	IDF xh1	19	534	-	324	
Penticton	Trepanier	MS dm2	1,606	-	884	242	
Penticton	Trepanier	MS xk	38	-	3	1	
Penticton	Trepanier	PP xh1	7	131	0	141	575

District	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Penticton	Trepanier-TFL	ESSF dc2	-	-	364	-	
Penticton	Trepanier-TFL	ESSF xc	-	-	110	-	
Penticton	Trepanier-TFL	IDF dk2	-	183	-	67	
Penticton	Trepanier-TFL	IDF mw1	-	-	-	128	
Penticton	Trepanier-TFL	IDF xh1	-	78	-	15	
Penticton	Trepanier-TFL	MS dm2	254	-	92	548	
Penticton	Trepanier-TFL	PP xh1	-	42	-	0	
Penticton	Trout	BG xh1	-	-	-	-	
Penticton	Trout	ESSF xc	113	-	1,325	223	
Penticton	Trout	IDF dk1	1	15	0	491	
Penticton	Trout	IDF dk2	122	975	62	1,810	
Penticton	Trout	IDF xh1	97	871	59	571	
Penticton	Trout	MS dm2	401	-	810	2,959	400
Penticton	Trout	MS xk	248	-	2	9	
Penticton	Trout	PP xh1	-	-	91	394	588
Salmon Arm	Anstey	ESSF wc2	-	-	485	1,466	
Salmon Arm	Anstey	ICH mw2	-	7	-	77	
Salmon Arm	Anstey	ICH mw3	107	-	1,894	57	
Salmon Arm	Anstey	ICH vk1	187	-	48	34	
Salmon Arm	Anstey	ICH wk1	584	-	88	215	
Salmon Arm	Anstey-TFL	ESSF wc2	-	74	4	14	
Salmon Arm	Anstey-TFL	ICH mw2	4	46	-	3	
Salmon Arm	Anstey-TFL	ICH mw3	105	-	-	-	
Salmon Arm	Anstey-TFL	ICH wk1	-	-	88	11	
Salmon Arm	Crowfoot	ESSF wc2	71	-	24	449	
Salmon Arm	Crowfoot	ICH mw2	-	-	-	-	
Salmon Arm	Crowfoot	ICH mw3	-	-	543	-	
Salmon Arm	Crowfoot	ICH wk1	38	61	5	156	150
Salmon Arm	Crowfoot	IDF mw2	-	-	-	25	
Salmon Arm	Eagle River	ESSF vc	-	-	2,775	491	
Salmon Arm	Eagle River	ESSF wc2	1,436	-	140	896	
Salmon Arm	Eagle River	ESSF wc4	85	-	18	181	
Salmon Arm	Eagle River	ICH mw2	-	30	59	10	
Salmon Arm	Eagle River	ICH mw3	83	-	2,004	-	
Salmon Arm	Eagle River	ICH vk1	47	-	816	192	
Salmon Arm	Eagle River	ICH wk1	1,129	-	1,384	669	
Salmon Arm	Eagle River-TFL	ESSF wc2	-	-	-	1	
Salmon Arm	Eagle River-TFL	ICH mw3	-	-	-	0	
Salmon Arm	Eagle River-TFL	ICH wk1	-	-	-	1	

District	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Salmon Arm	Kingfisher	ESSF vc	-	-	0	150	100
Salmon Arm	Kingfisher	ESSF wc2	1,671	-	73	2,630	
Salmon Arm	Kingfisher	ESSF wc4	30	-	45	144	100
Salmon Arm	Kingfisher	ICH mk1	161	-	13	100	
Salmon Arm	Kingfisher	ICH mw2	204	-	1,201	1,215	
Salmon Arm	Kingfisher	ICH mw3	-	-	47	-	
Salmon Arm	Kingfisher	ICH vk1	22	-	90	49	50
Salmon Arm	Kingfisher	ICH wk1	830	-	479	163	
Salmon Arm	Kingfisher	IDF mw1	-	-	21	432	
Salmon Arm	Kingfisher	IDF xh1	-	-	-	3	
Salmon Arm	Pukeashun	ESSF wc2	916	574	1,211	2,243	
Salmon Arm	Pukeashun	ICH mk2	27	-	100	-	
Salmon Arm	Pukeashun	ICH mw3	10	-	314	586	
Salmon Arm	Pukeashun	ICH wk1	710	395	135	451	
Salmon Arm	Pukeashun	IDF mw2	-	119	-	266	
Salmon Arm	Pukeashun	IDF xh2	-	-	-	12	
Salmon Arm	Salmon Arm-TFL	ESSF dc2	-	-	0	1	
Salmon Arm	Salmon Arm-TFL	IDF mw2	-	-	0	-	
Salmon Arm	Salmon Arm-TFL	MS dm2	-	-	0	0	
Salmon Arm	Salmon Arm	ESSF dc2	774	-	525	30	
Salmon Arm	Salmon Arm	ICH mk2	669	-	294	-	
Salmon Arm	Salmon Arm	ICH mw2	452	900	62	180	
Salmon Arm	Salmon Arm	ICH mw3	75	-	-	77	200
Salmon Arm	Salmon Arm	IDF dk2	-	363	-	267	
Salmon Arm	Salmon Arm	IDF mw1	28	312	-	112	
Salmon Arm	Salmon Arm	IDF mw2	72	185	-	2,372	
Salmon Arm	Salmon Arm	IDF xh1	-	9	-	24	
Salmon Arm	Salmon Arm	IDF xh2	-	26	-	145	
Salmon Arm	Salmon Arm	MS dm2	906	-	205	602	
Salmon Arm	Salmon Arm	PP xh2	-	-	-	0	
Salmon Arm	Seymour	ESSF vc	-	-	2,962	1,173	
Salmon Arm	Seymour	ESSF wc2	280	1,123	48	1,496	
Salmon Arm	Seymour	ICH mw3	1,544	-	1,280	921	
Salmon Arm	Seymour	ICH vk1	-	-	1,382	-	
Salmon Arm	Seymour	ICH wk1	2,294	-	694	293	
Salmon Arm	White	ESSF wc2	10	93	-	-	
Salmon Arm	White	ICH mw2	60	91	-	0	
Salmon Arm	White	ICH mw3	338	-	136	0	
Salmon Arm	White	ICH wk1	29	-	0	-	
Salmon Arm	White	IDF mw2	-	-	-	284	

District	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Vernon	Cherryville	ESSF dc1	-	-	138	-	
Vernon	Cherryville	ESSF wc4	-	-	244	459	
Vernon	Cherryville	ESSF xc	-	-	91	-	
Vernon	Cherryville	ICH mk1	148	-	89	405	
Vernon	Cherryville	ICH mw2	-	-	258	216	100
Vernon	Cherryville	IDF mw1	-	-	0	350	
Vernon	Harris	ESSF dc1	45	-	126	-	
Vernon	Harris	ESSF xc	-	-	1,696	-	
Vernon	Harris	ICH mk1	842	42	59	404	
Vernon	Harris	IDF mw1	66	794	-	795	
Vernon	Harris	IDF xh1	21	226	0	0	
Vernon	Harris	MS dm1	1,528	290	79	2	
Vernon	Mable	ESSF dc2	45	-	127	-	100
Vernon	Mable	ESSF wc2	-	-	86	1,225	400
Vernon	Mable	ICH mw2	439	-	244	292	
Vernon	Mable	ICH wk1	-	-	264	55	100
Vernon	Mable	IDF mw1	-	-	-	80	
Vernon	Ok West Side	ESSF dc2	103	166	-	-	
Vernon	Ok West Side	ESSF xc	-	48	-	-	
Vernon	Ok West Side	ICH mk1	273	-	0	0	
Vernon	Ok West Side	ICH mk2	242	-	57	-	
Vernon	Ok West Side	IDF dk1	-	81	-	100	
Vernon	Ok West Side	IDF mw1	26	693	-	464	
Vernon	Ok West Side	IDF xh1	-	202	-	27	300
Vernon	Ok West Side	MS dm2	178	75	29	146	
Vernon	Ok West Side	MS xk	-	-	-	6	
Vernon	Ok West-TFL	ESSF dc2	137	-	236	-	
Vernon	Ok West-TFL	ESSF xc	-	-	27	-	
Vernon	Ok West-TFL	ICH mk2	215	-	39	-	
Vernon	Ok West-TFL	IDF mw1	-	-	0	346	
Vernon	Ok West-TFL	IDF xh1	53	5	-	-	
Vernon	Ok West-TFL	MS dm2	86	-	57	174	
Vernon	Trinity	ESSF dc2	-	-	217	-	
Vernon	Trinity	ICH mk1	-	-	71	-	
Vernon	Trinity	ICH mw2	708	-	357	275	
Vernon	Trinity	IDF mw1	-	-	-	215	
Vernon	Trinity	IDF xh1	-	22	-	-	

District	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Vernon	U/Salmon-TFL	ESSF dc2	-	-	286	-	
Vernon	U/Salmon-TFL	ESSF xc	166	-	68	26	
Vernon	U/Salmon-TFL	IDF dk1	65	301	-	169	
Vernon	U/Salmon-TFL	IDF dk2	71	291	-	148	
Vernon	U/Salmon-TFL	IDF mw2	14	99	-	3	
Vernon	U/Salmon-TFL	IDF xh1	-	-	-	1	
Vernon	U/Salmon-TFL	IDF xh2	80	59	-	15	
Vernon	U/Salmon-TFL	MS dm2	546	-	95	0	
Vernon	U/Salmon-TFL	MS xk	13	-	40	270	
Vernon	Upper Kettle	ESSF dc1	-	-	823	-	
Vernon	Upper Kettle	ESSF wc4	1,151	-	60	351	
Vernon	Upper Kettle	ICH mk1	850	-	157	126	
Vernon	Upper Kettle	ICH mw2	-	-	78	30	
Vernon	Upper Salmon	ESSF dc2	100	-	58	0	
Vernon	Upper Salmon	ESSF xc	115	-	95	-	
Vernon	Upper Salmon	ICH mk1	3	11	0	0	
Vernon	Upper Salmon	ICH mk2	13	-	0	-	
Vernon	Upper Salmon	IDF dk1	-	-	-	241	
Vernon	Upper Salmon	IDF dk2	-	-	-	292	
Vernon	Upper Salmon	IDF mw1	-	103	-	39	
Vernon	Upper Salmon	IDF mw2	-	-	-	61	
Vernon	Upper Salmon	IDF xh1	-	-	-	13	
Vernon	Upper Salmon	IDF xh2	-	-	-	234	450
Vernon	Upper Salmon	MS dm2	-	-	84	151	100
Vernon	Upper Salmon	MS xk	-	-	11	269	200
Vernon	Upper Shuswap	ESSF wc2	995	839	113	776	
Vernon	Upper Shuswap	ESSF wc4	-	-	1,023	3,380	300
Vernon	Upper Shuswap	ICH mw2	1,281	-	349	495	
Vernon	Upper Shuswap	ICH vk1	-	-	951	-	
Vernon	Upper Shuswap	ICH wk1	1,944	-	809	309	

District	LU Name	BEC as One	Old THLB Hectares	Recruit THLB Hectares	Old NTHLB Hectares	Recruit NTHLB Hectares	THLB Increment from LRMP Table Hectares
Vernon	Vernon	ESSF dc2	8	-	-	16	
Vernon	Vernon	ESSF xc	38	-	-	17	
Vernon	Vernon	ICH mk1	103	-	411	53	100
Vernon	Vernon	ICH mw2	-	13	-	1	
Vernon	Vernon	IDF mw1	-	-	-	529	
Vernon	Vernon	IDF xh1	-	-	-	148	50
Vernon	Vernon	MS dm1	338	-	93	94	
Vernon	Vernon	PP xh1	-	-	-	1	
			40,606	14,118	56,210	68,420	7,153
				54,724		124,629	7,153

	Total THLB	61,877

Table 2. Merritt Old Forest Retention Table[10]

Landscape Unit	BEC Label	Old Growth Target Required	Landscape Unit	BEC Label	Old Growth Target Required
		Hectares			Hectares
Coldwater	CWHms1	132	Similkameen	ESSFdc2	2,552
Coldwater	ESSFdc2	721	Similkameen	ESSFmw	35
Coldwater	ESSFmw	794	Similkameen	ESSFxc	1,360
Coldwater	IDFdk1	2,169	Similkameen	IDFdk1	74
Coldwater	IDFdk2	1,673	Similkameen	IDFdk2	2,782
Coldwater	IDFxh1	754	Similkameen	IDFxh1	233
Coldwater	IDFxh2	493	Similkameen	MSdm2	4,388
Coldwater	MSdm2	705		Totals	11,425
Coldwater	MSmw	294	Smith-Willis	ESSFxc	961
Coldwater	MSxk	567	Smith-Willis	IDFdk1	367
Coldwater	PPxh2	110	Smith-Willis	IDFdk2	2,260
	Totals	8,412	Smith-Willis	IDFxh1	839
Hayes	ESSFdc2	3	Smith-Willis	MSdm2	880
Hayes	ESSFxc	732	Smith-Willis	MSxk	3,836
Hayes	IDFdk1	1,097	Smith-Willis	PPxh1	0

[10] The 'age' of old forest for the Merritt Old Forest Retention tables has not been specifically listed. This is because the age of old forest is as listed in the NDT tables included in the Order.

Landscape Unit	BEC Label	Old Growth Target Required	Landscape Unit	BEC Label	Old Growth Target Required
Hayes	IDFdk2	1,725		Totals	9,144
Hayes	IDFxh1	330	Spius	CWHms1	10
Hayes	MSdm2	2,533	Spius	ESSFdc2	1,162
Hayes	MSxk	4,055	Spius	ESSFmw	2,410
	Totals	10,477	Spius	IDFdk1	224
Lower Nicola	ESSFdc2	606	Spius	IDFdk2	1,814
Lower Nicola	ESSFmw	32	Spius	IDFxh1	51
Lower Nicola	ESSFxc	150	Spius	IDFxh2	762
Lower Nicola	IDFdk1	2,561	Spius	MHmm2	40
Lower Nicola	IDFdk2	534	Spius	MSdm2	1,715
Lower Nicola	IDFxh2	4,784	Spius	MSmw	731
Lower Nicola	MSdm2	618	Spius	MSxk	25
Lower Nicola	MSxk	5,591	Spius	PPxh2	7
Lower Nicola	PPxh2	1,002		Totals	8,950
	Totals	15,877	Summers	ESSFdc2	93
McNulty	ESSFxc	1,519	Summers	ESSFxc	215
McNulty	IDFdk1	445	Summers	IDFdk1	2,451
McNulty	IDFxh1	160	Summers	IDFdk2	1,673
McNulty	MSdm2	1,078	Summers	IDFxh1	644
McNulty	MSxk	1,574	Summers	MSdm2	1,971
	Totals	4,777	Summers	MSxk	763
Otter	ESSFdc2	407	Summers	PPxh1	15
Otter	ESSFxc	30		Totals	7,824
Otter	IDFdk1	1,063	Swakum	IDFdk1	4,660
Otter	IDFdk2	3,439	Swakum	IDFxh2	1,244
Otter	IDFxh1	182	Swakum	MSxk	3,048
Otter	IDFxh2	64	Swakum	PPxh2	270
Otter	MSdm2	1,770		Totals	9,223
Otter	MSxk	153			
	Totals	7,108			
Tulameen	CWHms1	88	Upper Nicola	ESSFxc	163
Tulameen	ESSFdc2	2,437	Upper Nicola	IDFdk1	4,923
Tulameen	ESSFmw	3,471	Upper Nicola	IDFdk2	15
Tulameen	ESSFxc	16	Upper Nicola	IDFxh2	734
Tulameen	IDFdk2	919	Upper Nicola	MSdm2	158
Tulameen	IDFxh1	18	Upper Nicola	MSxk	4,657
Tulameen	MSdm2	1,840	Upper Nicola	PPxh2	106
Tulameen	MSmw	649		Totals	10,757
	Totals	9,436			

Appendix 3

A Table of Biogeoclimatic Units assigned to Natural Disturbance Types

Contains all units mapped in QBEC_BC version 5 (April 2003)[11]

NDT	BECLABEL	Zone	Subzone	Variant	Phase	SubzoneName	VariantName	PhaseName
5	**AT un**	AT	un			Undefined		
5	**AT unp**	AT	unp			Undefined Parkland		
4	**BG xh 1**	BG	xh	1		Very Dry Hot	Okanagan	
4	**BG xh 2**	BG	xh	2		Very Dry Hot	Thompson	
4	**BG xh 3**	BG	xh	3		Very Dry Hot	Fraser	
4	**BG xw 1**	BG	xw	1		Very Dry Warm	Nicola	
4	**BG xw 2**	BG	xw	2		Very Dry Warm	Alkali	
3	**BWBSdk 1**	BWBS	dk	1		Dry Cool	Stikine	
3	**BWBSdk 2**	BWBS	dk	2		Dry Cool	Liard	
3	**BWBSmw 1**	BWBS	mw	1		Moist Warm	Peace	
3	**BWBSmw 2**	BWBS	mw	2		Moist Warm	Fort Nelson	
3	**BWBSun**	BWBS	un			Undefined		
3	**BWBSvk**	BWBS	vk			Very Wet Cool		
3	**BWBSwk 1**	BWBS	wk	1		Wet Cool	Murray	
3	**BWBSwk 2**	BWBS	wk	2		Wet Cool	Graham	
3	**BWBSwk 3**	BWBS	wk	3		W : Cool	Kledo	
2	**CDF mm**	CDF	mm			Moist Maritime		
2	**CWH dm**	CWH	dm			Dry Maritime		
2	**CWH ds 1**	CWH	ds	1		Dry Submaritime	Southern	
2	**CWH ds 2**	CWH	ds	2		Dry Submaritime	Central	
2	**CWH mm 1**	CWH	mm	1		Moist Maritime	Submontane	
2	**CWH mm 2**	CWH	mm	2		Moist Maritime	Montane	
2	**CWH ms 1**	CWH	ms	1		Moist Submaritime	Southern	
2	**CWH ms 2**	CWH	ms	2		Moist Submaritime	Central	
1	**CWH un**	CWH	un			Undefined		
1	**CWH vh 1**	CWH	vh	1		Very Wet Hypermaritime	Southern	
1	**CWH vh 2**	CWH	vh	2		Very Wet Hypermaritime	Central	
1	**CWH vm**	CWH	vm			Very Wet Hypermaritime	Undifferentiated	
1	**CWH vm 1**	CWH	vm	1		Very Wet Maritime	Submontane	
1	**CWH vm 2**	CWH	vm	2		Very Wet Maritime	Montane	
1	**CWH vm 3**	CWH	vm	3		Very Wet Maritime	Central	
1	**CWH wh 1**	CWH	wh	1		Wet Hypermaritime	Submontane	

[11] This list and NDT map is posted at: http://www.for.gov.bc.ca/ftp/hre/external/!publish/becmaps

1	**CWH wh 2**	CWH	wh	2	Wet Hypermaritime	Montane
1	**CWH wm**	CWH	wm		Wet Maritime	
2	**CWH ws 1**	CWH	ws	1	Wet Submaritime	Submontane
2	**CWH ws 2**	CWH	ws	2	Wet Submaritime	Montane
2	**CWH xm 1**	CWH	xm	1	Very Dry Maritime	Eastern
2	**CWH xm 2**	CWH	xm	2	Very Dry Maritime	Western
3	**ESSFdc 1**	ESSF	dc	1	Dry Cold	Okanagan
3	**ESSFdc 2**	ESSF	dc	2	Dry Cold	Thompson
5	**ESSFdcp**	ESSF	dcp		Dry Cold Parkland	
3	**ESSFdcw**	ESSF	dcw		Dry Cold Woodland	
3	**ESSFdk**	ESSF	dk		Dry Cool	
5	**ESSFdkp**	ESSF	dkp		Dry Cool Parkland	
3	**ESSFdkw**	ESSF	dkw		Dry Cool Woodland	
3	**ESSFdm 1**	ESSF	dm	1	Dry Mild	Southeast Kootenay
5	**ESSFdmp**	ESSF	dmp		Dry Mild Parkland	
3	**ESSFdmw**	ESSF	dmw		Dry Mild Woodland	
3	**ESSFdv**	ESSF	dv		Dry Very Cold	
5	**ESSFdvp**	ESSF	dvp		Dry Very Cold Parkland	
2	**ESSFmc**	ESSF	mc		Moist Cold	
5	**ESSFmcp**	ESSF	mcp		Moist Cold Parkland	
2	**ESSFmk**	ESSF	mk		Moist Cool	
5	**ESSFmkp**	ESSF	mkp		Moist Cool Parkland	
2	**ESSFmm 1**	ESSF	mm	1	Moist Mild	Raush
2	**ESSFmm 2**	ESSF	mm	2	Moist Mild	Robson
5	**ESSFmmp**	ESSF	mmp		Moist Mild Parkland	
2	**ESSFmv 1**	ESSF	mv	1	Moist Very Cold	Nechako
2	**ESSFmv 2**	ESSF	mv	2	Moist Very Cold	Bullmoose
2	**ESSFmv 3**	ESSF	mv	3	Moist Very Cold	Omineca
2	**ESSFmv 4**	ESSF	mv	4	Moist Very Cold	Graham
5	**ESSFmvp**	ESSF	mvp		Moist Very Cold Parkland	
2	**ESSFmw**	ESSF	mw		Moist Warm	
5	**ESSFmwp**	ESSF	mwp		Moist Warm Parkland	
1	**ESSFvc**	ESSF	vc		Very Wet Cold	
5	**ESSFvcp**	ESSF	vcp		Very Wet Cold Parkland	
1	**ESSFvv**	ESSF	vv		Very Wet Very Cold	
5	**ESSFvvp**	ESSF	vvp		Very Wet Very Cold Parkland	
1	**ESSFwc 1**	ESSF	wc	1	Wet Cold	Columbia
1	**ESSFwc 2**	ESSF	wc	2	Wet Cold	Northern
1	**ESSFwc 3**	ESSF	wc	3	Wet Cold	Cariboo
1	**ESSFwc 4**	ESSF	wc	4	Wet Cold	Selkirk
2	**ESSFwc 5**	ESSF	wc	5	Wet Cold	Salmo

2	**ESSFwc 6**	ESSF	wc	6		Wet Cold	Ymir
5	**ESSFwcp**	ESSF	wcp			Wet Cold Parkland	
2	**ESSFwcw**	ESSF	wcw			Wet Cold Woodland	
1	**ESSFwk 1**	ESSF	wk	1		Wet Cool	Cariboo
1	**ESSFwk 2**	ESSF	wk	2		Wet Cool	Misinchinka
5	**ESSFwkp**	ESSF	wkp			Wet Cool Parkland	
1	**ESSFwm**	ESSF	wm			Wet Mild	
5	**ESSFwmp**	ESSF	wmp			Wet Mild Parkland	
1	**ESSFwmw**	ESSF	wmw			Wet Mild Woodland	
1	**ESSFwv**	ESSF	wv			Wet Very Cold	
5	**ESSFwvp**	ESSF	wvp			Wet Very Cold Parkland	
3	**ESSFxc**	ESSF	xc			Very Dry Cold	
5	**ESSFxcp**	ESSF	xcp			Very Dry Cold Parkland	
2	**ESSFxv 1**	ESSF	xv	1		Very Dry Very Cold	
2	**ESSFxv 2**	ESSF	xv	2		Very Dry Very Cold	
3	**ICH dk**	ICH	dk			Dry Cool	
3	**ICH dm**	ICH	dm			Dry Mild	
3	**ICH dw 1**	ICH	dw	1		Dry Warm	West Kootenay
3	**ICH dw 2**	ICH	dw	2		Dry Warm	Boundary
2	**ICH mc 1**	ICH	mc	1		Moist Cold	Nass
2	**ICH mc 2**	ICH	mc	2		Moist Cold	Hazelton
3	**ICH mk 1**	ICH	mk	1		Moist Cool	Kootenay
3	**ICH mk 2**	ICH	mk	2		Moist Cool	Thompson
2	**ICH mk 3**	ICH	mk	3		Moist Cool	Horsefly
2	**ICH mm**	ICH	mm			Moist Mild	
2	**ICH mw 1**	ICH	mw	1		Moist Warm	Golden
2	**ICH mw 2**	ICH	mw	2		Moist Warm	Columbia-Shuswap
3	**ICH mw 3**	ICH	mw	3		Moist Warm	Thompson
2	**ICH mw 4**	ICH	mw	4		Moist Warm	Ymir
1	**ICH vc**	ICH	vc			Very Wet Cold	
1	**ICH vk 1**	ICH	vk	1		Very Wet Cool	Mica
1	**ICH vk 1c**	ICH	vk	1	c	Very Wet Cool	Mica	Cold Air
1	**ICH vk 2**	ICH	vk	2		Very Wet Cool	Slim
2	**ICH wc**	ICH	wc			Wet Cold	
1	**ICH wk 1**	ICH	wk	1		Wet Cool	Wells Gray
1	**ICH wk 1c**	ICH	wk	1	c	Wet Cool	Wells Gray	Cold Air
1	**ICH wk 2**	ICH	wk	2		Wet Cool	Quesnel
1	**ICH wk 3**	ICH	wk	3		Wet Cool	Goat
1	**ICH wk 4**	ICH	wk	4		Wet Cool	Cariboo
4	**ICH xw**	ICH	xw			Very Dry Warm	
4	**IDF dk 1**	IDF	dk	1		Dry Cool	Thompson
4	**IDF dk 1a**	IDF	dk	1	a	Dry Cool	Thompson	Grassland

4 IDF dk 1b	IDF	dk	1	b	Dry Cool	Thompson	Steep South
4 IDF dk 2	IDF	dk	2		Dry Cool	Cascade	
4 IDF dk 2b	IDF	dk	2	b	Dry Cool	Cascade	Steep South
4 IDF dk 3	IDF	dk	3		Dry Cool	Fraser	
4 IDF dk 4	IDF	dk	4		Dry Cool	Chilcotin	
4 IDF dm 1	IDF	dm	1		Dry Mild	Kettle	
4 IDF dm 2	IDF	dm	2		Dry Mild	Kootenay	
4 IDF dm 2a	IDF	dm	2	a	Dry mild	Kootenay	Moist
4 IDF dw	IDF	dw			Dry Warm		
4 IDF mw 1	IDF	mw	1		Moist Warm	Okanagan	
4 IDF mw 2	IDF	mw	2		Moist Warm	Thompson	
4 IDF mw 2a	IDF	mw	2	a	Moist Warm	Thompson	Grassland
4 IDF un	IDF	un			Undefined		
4 IDF ww	IDF	ww			Wet Warm		
4 IDF xh 1	IDF	xh	1		Very Dry Hot	Okanagan	
4 IDF xh 1a	IDF	xh	1	a	Very Dry Hot	Okanagan	Grassland
4 IDF xh 1b	IDF	xh	1	b	Very Dry Hot	Okanagan	Steep South
4 IDF xh 2	IDF	xh	2		Very Dry Hot	Thompson	
4 IDF xh 2a	IDF	xh	2	a	Very Dry Hot	Thompson	Grassland
4 IDF xh 2b	IDF	xh	2	b	Very Dry Hot	Thompson	Steep South
4 IDF xh 4	IDF	xh	4		Very Dry Hot	Boundary	
4 IDF xm	IDF	xm			Very Dry Mild		
4 IDF xw	IDF	xw			Very Dry Warm		
4 IDF xw a	IDF	xw		a	Very Dry Warm		Grassland
4 IDF xw b	IDF	xw		b	Very Dry Warm		Steep South
1 MH mm 1	MH	mm	1		Moist Maritime	Windward	
1 MH mm 2	MH	mm	2		Moist Maritime	Leeward	
5 MH mmp	MH	mmp			Moist Maritime Parkland		
1 MH un	MH	un			Undefined		
1 MH wh 1	MH	wh	1		Wet Hypermaritime	Windward	
1 MH wh 2	MH	wh	2		Wet Hypermaritime	Leeward	
5 MH whp	MH	whp			Wet Hypermaritime Parkland		
3 MS dc 1	MS	dc	1		Dry Cold	Bridge	
3 MS dc 2	MS	dc	2		Dry Cold	Tatlayoko	
3 MS dk	MS	dk			Dry Cool		
3 MS dm 1	MS	dm	1		Dry Mild	Okanagan	
3 MS dm 1a	MS	dm	1	a	Dry Mild	Okanagan	Redcedar
3 MS dm 2	MS	dm	2		Dry Mild	Thompson	
3 MS dv	MS	dv			Dry Very Cold		
3 MS un	MS	un			Undefined		
3 MS xk	MS	xk			Very Dry Cool		
3 MS xv	MS	xv			Very Dry Very Cold		

4 **PP dh 1**	PP	dh	1		Dry Hot	Kettle	
4 **PP dh 2**	PP	dh	2		Dry Hot	Kootenay	
4 **PP xh 1**	PP	xh	1		Very Dry Hot	Okanagan	
4 **PP xh 1a**	PP	xh	1	a	Very Dry Hot	Okanagan	Grassland
4 **PP xh 2**	PP	xh	2		Very Dry Hot	Thompson	
4 **PP xh 2a**	PP	xh	2	a	Very Dry Hot	Thompson	Grassland
3 **SBPSdc**	SBPS	dc			Dry Cold		
3 **SBPSmc**	SBPS	mc			Moist Cold		
3 **SBPSmk**	SBPS	mk			Moist Cool		
3 **SBPSxc**	SBPS	xc			Very Dry Cold		
3 **SBS dh 1**	SBS	dh	1		Dry Hot	McLennan	
3 **SBS dh 2**	SBS	dh	2		Dry Hot	Robson	
3 **SBS dk**	SBS	dk			Dry Cool		
3 **SBS dw 1**	SBS	dw	1		Dry Warm	Horsefly	
3 **SBS dw 2**	SBS	dw	2		Dry Warm	Blackwater	
3 **SBS dw 3**	SBS	dw	3		Dry Warm	Stuart	
3 **SBS mc 1**	SBS	mc	1		Moist Cold	Moffat	
3 **SBS mc 2**	SBS	mc	2		Moist Cold	Babine	
3 **SBS mc 3**	SBS	mc	3		Moist Cold	Kluskus	
3 **SBS mh**	SBS	mh			Moist Hot		
3 **SBS mk 1**	SBS	mk	1		Moist Cool	Mossvale	
3 **SBS mk 2**	SBS	mk	2		Moist Cool	Williston	
3 **SBS mm**	SBS	mm			Moist Mild		
3 **SBS mw**	SBS	mw			Moist Warm		
3 **SBS un**	SBS	un			Undefined		
2 **SBS vk**	SBS	vk			Very Wet Cool		
2 **SBS wk 1**	SBS	wk	1		Wet Cool	Willow	
2 **SBS wk 2**	SBS	wk	2		Wet Cool	Finlay-Peace	
3 **SBS wk 3**	SBS	wk	3		Wet Cool	Takla	
3 **SBS wk 3a**	SBS	wk	3	a	Wet Cool	Takla	Douglas Fir
2 **SWB dk**	SWB	dk			Dry Cool		
2 **SWB mk**	SWB	mk			Moist Cool		
5 **SWB mks**	SWB	mks			Moist Cool Scrub		
2 **SWB un**	SWB	un			Undefined		
2 **SWB vk**	SWB	vk			Very Wet Cool		

Implementation Policy

Draft, October 27, 2003

This policy provides guidance for the implementation of the provincial order for non-spatial old growth objectives.

1. Definitions

In this policy

"Minister" means the Minister of Sustainable Resource Management,

"Order" means the Order Establishing Provincial Non-Spatial Old Growth Objectives, and

"Landscape Unit Planning Guide" ("LUPG") means the document entitled Landscape Unit Planning Guide and dated March, 1999.

2. General

a) Old forest retention objectives should be achieved by following the relevant procedures in the Landscape Unit Planning Guide (LUPG).

b) Old forest retention objectives in the Order apply to all Crown land in a landscape unit, and to private land in a tree farm licence. In accordance with the direction in the LUPG, old forest retention objectives do not apply to woodlot licenses. See pages 13-26 of the LUPG for a detailed discussion on how to prepare the data set for the purposes of applying the old forest retention objectives.

c) Implementation of the Order should be informed by the best available technical and science-based information, with new information being utilized as soon as practicable.

d) Biogeoclimatic information used for the purposes of the Order must be endorsed by the Minister of SRM or designate.

3. Recruitment

a) Recruitment strategies must reflect the strategies outlined in the LUPG or in land use plans approved by the Minister of SRM or designate.

b) In intermediate and high emphasis landscape units, the intent is to capture the entire old forest objective immediately. However, where old forest retention objectives cannot be met immediately in these units due to:

- insufficient amounts of old forest; or
- forest health or catastrophic events

a recruitment strategy must be prepared to recruit the full objective amount of old forest in the shortest possible timeframe, consistent with the objectives set out in the Order and strategies outlined in the LUPG.

Implementation Policy (continued)

c) When a recruitment strategy is developed for a low biodiversity emphasis landscape unit, the strategy should ensure the full objective amount of old forest is in place consistent with the objectives set out in the Order and the strategies and timeframes for low biodiversity emphasis outlined in the LUPG.

d) An alternative strategy for recruitment may be proposed provided the strategy:

- maintains or improves benefits for old forest conservation;
- is endorsed by, or reflects any specific policy direction of, the Minister or designate; and
- it can be shown that the intent of b) or c) would be better met.

4. Potential reduction in old forest retention in low biodiversity emphasis areas

As outlined in provision A5 in the Order, old forest retention may be reduced by up to 2/3 in landscape units with low biodiversity emphasis (referred to in the LUPG as "drawn down by 2/3") to the extent necessary to address timber supply impacts.

As indicated in the LUPG, the old forest retention percentages shown in Tables 1-4 of the Order will be reduced to 1/3 in all landscape units with low biodiversity emphasis, except where a timber supply analysis carried out in association with the Timber Supply Review process has determined that conserving more than 1/3 will not cause timber supply impacts.

Where, under provision A5 in the Order, a reduction (i.e., "draw down") in the percent old forest retention has occurred, a recruitment strategy is not required immediately. It is recommended that a strategy be developed as soon as reasonably possible (see 3(c) above for further policy on recruitment in low biodiversity emphasis areas).

5. Use of younger forests to meet old forest objectives

a) For the purposes of provision A6 of the Order, in intermediate and high emphasis landscape units where the full objective of old forest is currently unavailable, younger age classes (preferably age classes 6, 7 and 8 but potentially younger) may be used to comprise up to 20% of the old forest objective.

b) The policy outlined in 3(a) will not apply to low biodiversity emphasis landscape units that have been drawn down by 2/3. In such cases the remaining 1/3 old forest must be retained with no opportunity for substituting younger stands.

c) In the Okanagan-Shuswap and Merritt areas, where there is insufficient old forest in any variant to meet an old growth target, or where increased biodiversity conservation benefits would result, forest less than the age of old (preferably age classes 6, 7 and 8 but potentially younger) can be used to contribute up to 20% of the old forest areas targets as defined in Tables 1 and 2 of Appendix 2.

6. Draft old growth management areas

Where the Minister or designate has identified draft old growth management areas (OGMAs) under provision A8 of the Order, the draft OGMAs should be considered in, and submitted with, any forest development plan or forest stewardship plan.